

Nestin

Monoclonal ANTIBODY

 Catalog Number: 66259-1-Ig **4 Publications**

Basic Information

| | | |
|---|---|--|
| Catalog Number: 66259-1-Ig | GenBank Accession Number: NM_006617 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:1000 IF 1:20-1:200 |
| Size: 206 µg/150 µl | GeneID (NCBI): 10763 | |
| Source: Mouse | Full Name: nestin | |
| Isotype: IgG2b | Calculated MW: 177 kDa | |
| Purification Method: Protein A purification | Observed MW: 150-170 kDa | |
| Immunogen Catalog Number: | | |

Applications

| | |
|---|---|
| Tested Applications: IF, IHC, WB, ELISA | Positive Controls: WB : Neuro-2a cells; HEK-293 cells, rat brain tissue IHC : human gliomas tissue; IF : U-251 cells; |
| Cited Applications: IF, IHC, WB | |
| Species Specificity: human, mouse, rat | |
| Cited Species: human, rat | |

Background Information

Nestin, also named as NES and Nbla00170, is a class VI intermediate filament protein expressed in stem cells of the central nervous system (CNS) but not in mature CNS cells. Its expression is used extensively as a marker for neural lineage cells derived from human embryonic stem (hES) and induced pluripotent stem (iPS) cells. Nestin is also expressed in non-neural stem cell populations such as pancreatic islet progenitors and hematopoietic progenitors.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|--------------------|-----------|------------------|-------------|
| Wen Wen | 28905239 | J Mbl Histol | IF, IHC, WB |
| Li Wang | 29062768 | Int J Ophthalmol | WB |
| Julie Juyoung Park | 29269118 | Toxicol In Vitro | IF |

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

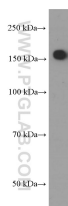
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

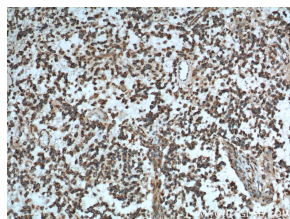
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

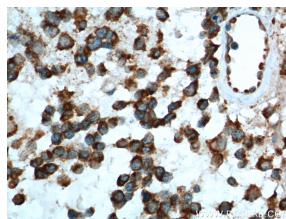
Selected Validation Data



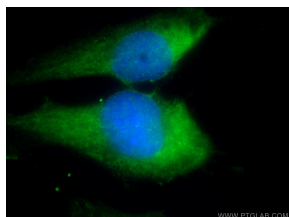
Neuro-2a cells were subjected to SDS PAGE followed by western blot with 66259-1-Ig (Nestin Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours



Immunohistochemistry of paraffin-embedded human gliomas tissue slide using 66259-1-Ig (Nestin antibody) at dilution of 1:500 (under 10x lens).



Immunohistochemistry of paraffin-embedded human gliomas tissue slide using 66259-1-Ig (Nestin antibody) at dilution of 1:500 (under 40x lens).



Immunofluorescent analysis of (10% Formaldehyde) fixed U-251 cells using 66259-1-Ig(Nestin antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L)